



分数

3つの分数のたし算とひき算(4)

年

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名前

● 次の分数の計算をしましょう。

$$\begin{aligned} ① \quad & \frac{3}{7} + \frac{5}{6} + \frac{1}{2} \\ &= \frac{18}{42} + \frac{35}{42} + \frac{21}{42} \\ &= \frac{53}{42} + \frac{21}{42} \\ &= \frac{74}{42} = \frac{74 \div 2}{42 \div 2} \\ &= \frac{37}{21} \left(1 \frac{16}{21} \right) \end{aligned}$$

$$\begin{aligned} ④ \quad & 1 \frac{4}{9} + \frac{5}{6} - \frac{1}{3} \\ &= 1 \frac{8}{18} + \frac{15}{18} - \frac{6}{18} \\ &= 1 \frac{23}{18} - \frac{6}{18} \\ &= 1 \frac{17}{18} \end{aligned}$$

$$\begin{aligned} ② \quad & \frac{9}{10} - \frac{2}{5} - \frac{1}{6} \\ &= \frac{27}{30} - \frac{12}{30} - \frac{5}{30} \\ &= \frac{15}{30} - \frac{5}{30} \\ &= \frac{10}{30} = \frac{10 \div 10}{30 \div 10} \\ &= \frac{1}{3} \end{aligned}$$

$$\begin{aligned} ⑤ \quad & 3 \frac{3}{10} - 1 \frac{2}{3} - \frac{1}{4} \\ &= 3 \frac{18}{60} - 1 \frac{40}{60} - \frac{15}{60} \\ &= 2 \frac{78}{60} - 1 \frac{40}{60} - \frac{15}{60} \\ &= 1 \frac{38}{60} - \frac{15}{60} \\ &= 1 \frac{23}{60} \end{aligned}$$

$$\begin{aligned} ③ \quad & \frac{7}{12} - \frac{1}{8} + \frac{1}{3} \\ &= \frac{14}{24} - \frac{3}{24} + \frac{8}{24} \\ &= \frac{11}{24} + \frac{8}{24} \\ &= \frac{19}{24} \end{aligned}$$

$$\begin{aligned} ⑥ \quad & 2 \frac{2}{7} + 1 \frac{5}{14} + \frac{3}{4} \\ &= 2 \frac{8}{28} + 1 \frac{10}{28} + \frac{21}{28} \\ &= 3 \frac{18}{28} + \frac{21}{28} \\ &= 3 \frac{39}{28} \\ &= 4 \frac{11}{28} \end{aligned}$$